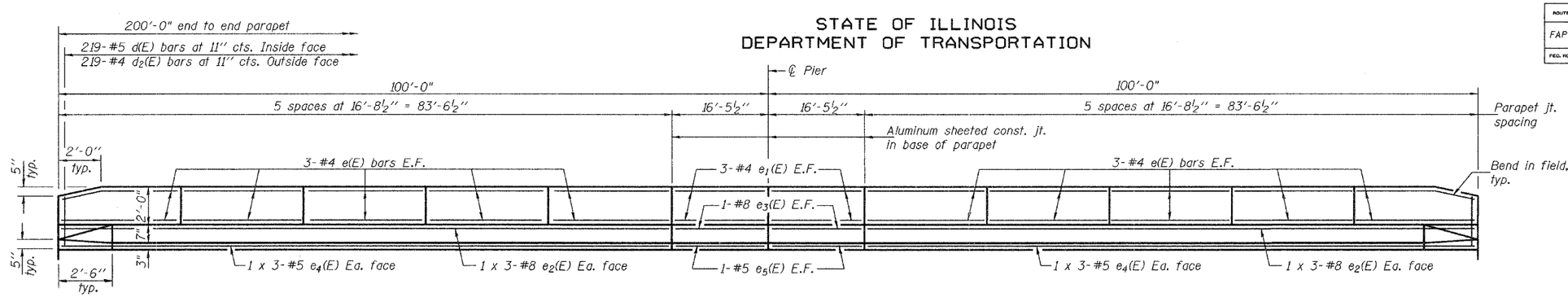
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAP 327	13B-1 & 13B-2	MARION	78	41
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT-	

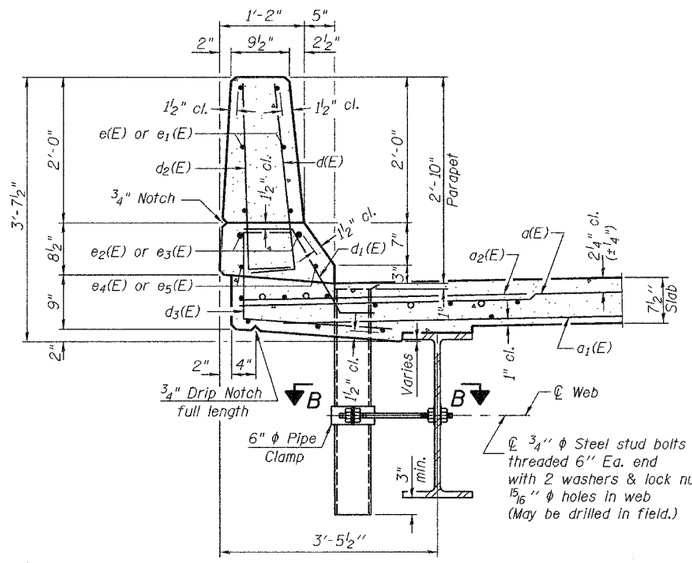
SHEET NO. 7
17 SHEETS

Contract No. 94964

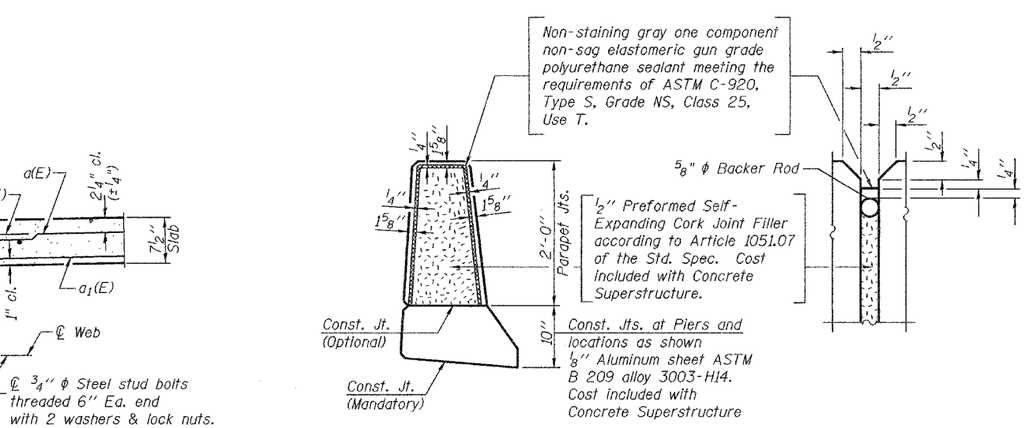
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



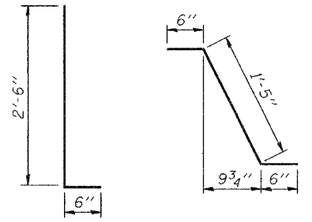
INSIDE ELEVATION OF PARAPET
(Looking north)



SECTION THRU PARAPET

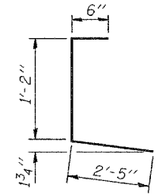


PARAPET JOINT DETAILS

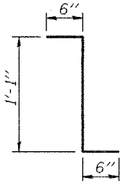


BARS d(E) & d2(E)

BAR d1(E)



BAR d3(E)



BAR d4(E)

SUPERSTRUCTURE BILL OF MATERIAL

Bar	No.	Size	Length	Shape
d(E)	740	#5	21'-2"	——
a_1(E)	536	#5	20'-3"	——
a_2(E)	740	#6	6'-0"	——
b(E)	414	#5	24'-2"	——
b_1(E)	126	#6	21'-7"	——
b_2(E)	336	#5	26'-11"	——
d(E)	438	#5	3'-0"	⌐¬
d_1(E)	426	#5	2'-5"	⌐
d_2(E)	438	#4	3'-0"	⌐¬
d_3(E)	438	#4	4'-1"	⊏
d_4(E)	12	#5	2'-1"	⌐
e(E)	120	#4	16'-5"	——
e_1(E)	24	#4	16'-2"	——
e_2(E)	24	#8	30'-1"	——
e_3(E)	8	#8	16'-2"	——
e_4(E)	24	#5	28'-11"	——
e_5(E)	8	#5	16'-2"	——
m(E)	8	#6	20'-7"	——
m_1(E)	12	#6	21'-4"	——
m_2(E)	24	#6	10'-0"	——
m_3(E)	8	#6	6'-11"	——
m_4(E)	4	#6	3'-2"	——
m_5(E)	4	#6	3'-4"	——
s(E)	96	#5	6'-9"	⊐
s_1(E)	88	#4	12'-0"	⊓
v(E)	88	#5	3'-10"	⌐
Reinforcement Bars, Epoxy Coated		Pound	70380	
Concrete Superstructure		Cu. Yds.	287.4	

Reinforcement bars designated (E) shall be epoxy coated.
Bars indicated thus 1 x 3-#5 etc. indicates 1 line of bars with 3 lengths per line.
Reinforcemnt bars shall not pass thru aluminum sheets.

*Dimension as required by Pipe Clamp
6" ϕ Pipe Clamp
⅛" Fabric Pad

SECTION B-B

Edge of Parapet
9"
6"
6"
12"

TOP PLAN

½" ϕ x 8" Fiberglass Reinf. Plastic Rebar
3 5/16"
3 5/16"
½"

FIBERGLASS PIPE

Fill slot with weld
½" ϕ x 8" Alum. Bar ASTM B 211 alloy 6061-T6
3"
3"

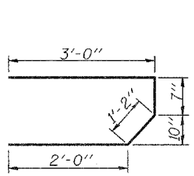
ALUMINUM TUBE

6"
3"
3"
3/16"
⅛"
6" O.D. Aluminum Tube alloy 6061-T6 or 6" ϕ Fiberglass Pipe

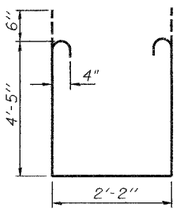
TOP PLAN
(Showing Aluminum Tube)

MIN. BAR LAPS

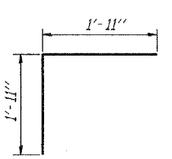
#5 bars = 1'-8"
#8 bars = 3'-5"



BAR s(E)



BAR s1(E)



BAR v(E)

DESIGNED	R.L.M.
CHECKED	G.R.A.
DRAWN	h.t. duong
CHECKED	R.L.M./G.R.A.

EXAMINED Feb 2, 2006
Thomas J. Domagalski
ENGINEER OF BRIDGE DESIGN

PASSED Ralph E. Anderson
ENGINEER OF BRIDGES AND STRUCTURES

SUPERSTRUCTURE DETAILS
F.A.P. RTE. 327 - SEC. 13B-1 & 13B-2
MARION COUNTY
STATION 375+53.00
STRUCTURE NO. 061-0091

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